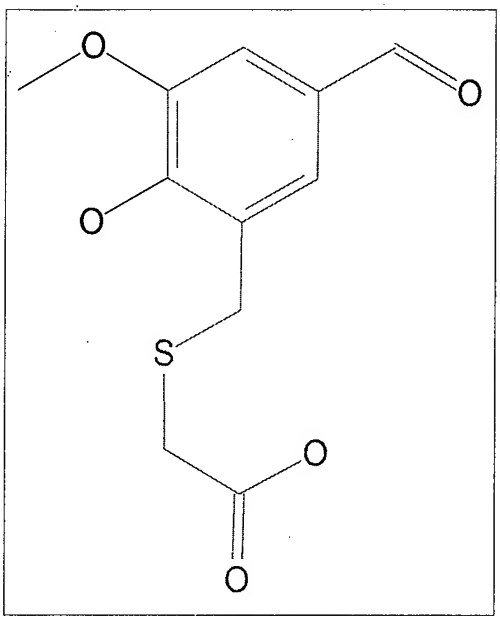
EXHIBIT E



Substance Identification

Beilstein Registry Number	**6654842**
Chemical Name	(5-formyl-2-hydroxy-3-methoxy-benzylsulfanyl)-acetic acid
Autoname	(5-formyl-2-hydroxy-3-methoxy-benzylsulfanyl)-acetic acid
Molecular Formula	$C_{11}H_{12}O_5S$
Molecular Weight	256.27
Lawson Number	9659, 1774, 289
Type of Substance	isocyclic
Constitution ID	5733058
Tautomer ID	6297891
Beilstein Reference	6-08

Field Availability List 1-4

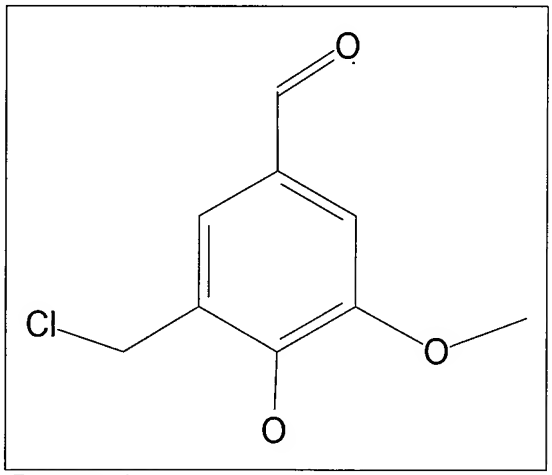
Code	Field Name	Occ.
RX	Reaction	2
MP	Melting Point	1
NMR	NMR Spectroscopy	2
CNR	Reference	1

Reaction 1 of 2

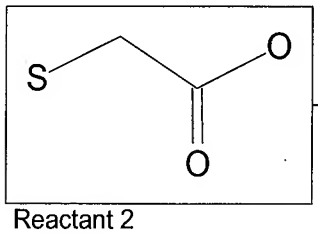
Reaction ID	***2901564***
Reactant BRN	***2454332*** 3-chloromethyl-4-hydroxy-5-methoxy-benzaldehyde ***506166*** mercaptoacetic acid
Product BRN	**6654842** (5-formyl-2-hydroxy-3-methoxy-benzylsulfanyl)-acetic acid
No. of Reaction Details	1
Reaction Classification	Preparation
Yield	7 percent (BRN=6654842)
Reagent	Et_3N
Solvent	CH_2Cl_2
Time	3 hour(s)
Other Conditions	Ambient temperature

Find similar reactions ***click here***

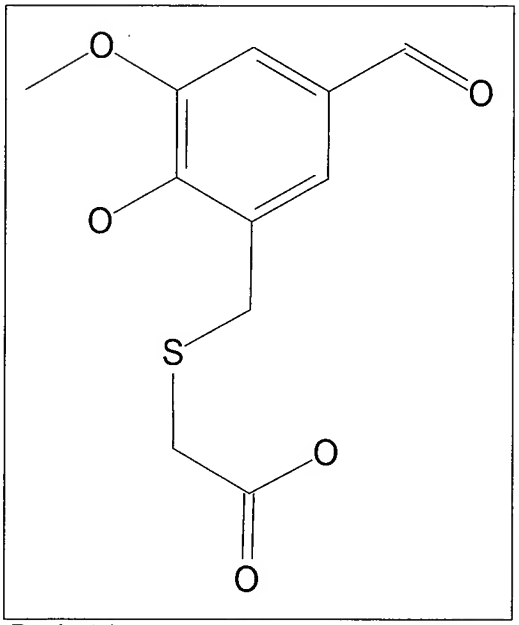
Ref. 1 ***5853919***; Journal; Gazit, Aviv; Osherov, Nir; Posner, Israel; Bar-Sinai, Allan; Gilon, Chaim; Levitzki, Alexander; JMCMAR; J. Med. Chem.; EN; 36; 23; 1993; 3556-3564.



Reactant 1



Reactant 2



Product 1

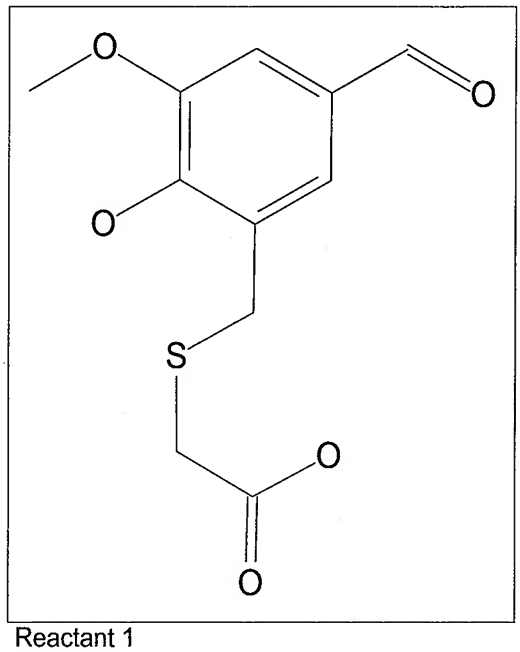
Reaction 2 of 2

Reaction ID	***3786999***
Reactant BRN	**6654842** (5-formyl-2-hydroxy-3-methoxy-benzylsulfanyl)-acetic acid ***773697*** malononitrile
Product BRN	***6661603*** [5-(2,2-dicyano-vinyl)-2-hydroxy-3-methoxy-benzylsulfanyl]-acetic acid
No. of Reaction Details	1
Reaction Classification	Preparation
Yield	82 percent (BRN=6661603)
Reagent	piperidine
Solvent	ethanol
Time	3 hour(s)

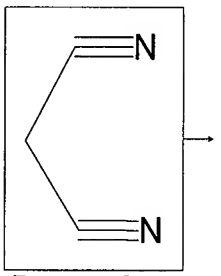
Other Conditions	Heating
Find similar reactions	***click here***

Ref. 1

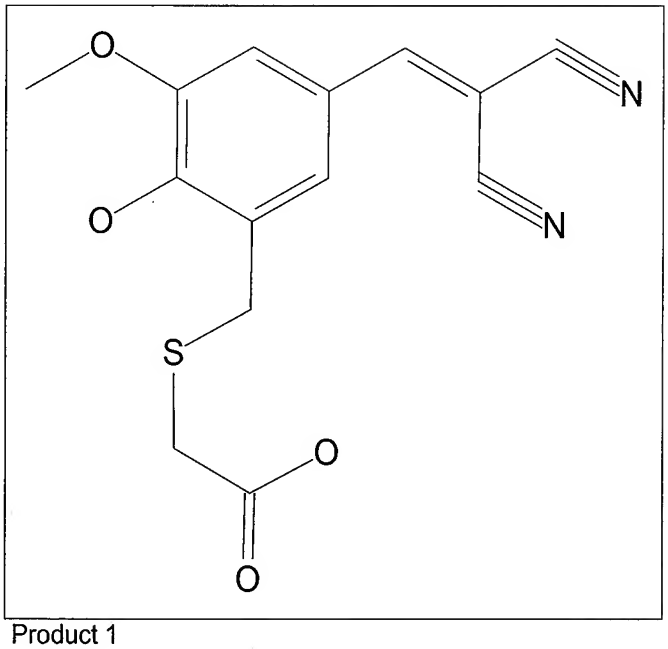
5853919; Journal; Gazit, Aviv; Osherov, Nir; Posner, Israel; Bar-Sinai, Allan; Gilon, Chaim; Levitzki, Alexander; JMCMAR; J. Med. Chem.; EN; 36; 23; 1993; 3556-3564.



Reactant 1



Reactant 2



Product 1

Melting Point

VALUE (MP) C	Solvent (.SOL)	Entry Date	Note	Ref.
130				1

Ref. 1	***5853919***; Journal; Gazit, Aviv; Osherov, Nir; Posner, Israel; Bar-Sinai, Allan; Gilon, Chaim; Levitzki, Alexander; JMCMAR; J. Med. Chem.; EN; 36; 23; 1993; 3556-3564.

NMR Spectroscopy 1 of 2

Description	Chemical shifts
Nucleus	1H
Solvents	acetone-d6

Ref. 1	***5853919***; Journal; Gazit, Aviv; Osherov, Nir; Posner, Israel; Bar-Sinai, Allan; Gilon, Chaim; Levitzki, Alexander; JMCMAR; J. Med. Chem.; EN; 36; 23; 1993; 3556-3564.

NMR Spectroscopy 2 of 2

Description	Spin-spin coupling constants
Solvents	acetone-d6

Note 1	1H-1H
Ref. 1	***5853919***; Journal; Gazit, Aviv; Osherov, Nir; Posner, Israel; Bar-Sinai, Allan; Gilon, Chaim; Levitzki, Alexander; JMCMAR; J. Med. Chem.; EN; 36; 23; 1993; 3556-3564.

Reference

5853919; Journal; Gazit, Aviv; Osherov, Nir; Posner, Israel; Bar-Sinai, Allan; Gilon, Chaim; Levitzki, Alexander; JMCMAR; J. Med. Chem.; EN; 36; 23; 1993; 3556-3564.